

Sub B 17  
a wire.

39. (New) A device of Claim 1 wherein said elongate member comprises

Sub C 27

40. (New) A device of Claim 1 wherein said source of mechanical motion is engaged to the proximal end of said elongate member to cause a vibrational motion along the longitudinal axis of said elongate member such that said vibrational motion is greater near the distal end of said elongate member than at the proximal end of said elongate member.

a1  
41. (New) A device of Claim 1 wherein said source of mechanical motion provides rotational and/or translational motion.

42. (New) A method of dissolution of obstructive material in a body lumen comprising:

providing a source of mechanical motion coupled to an elongate member having a proximal portion, a distal portion, and a longitudinal axis therebetween, said elongate member comprising a wire;

inserting said wire into the body lumen of a patient such that said source of mechanical motion remains outside the patient's body;

activating said source of mechanical motion such that said source of mechanical motion causes vibration of said wire along said longitudinal axis, said vibration resulting in a mixing action within said body lumen.

43. (New) The method of Claim 42, further comprising translating said wire along said longitudinal axis and within said body lumen to enhance the mixing action within said body lumen.--